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UNITED STATES DEPARTMENT OF AGRICULTURE
PRODUCTION AND MARKETING ADMINISTRATION
DAIRY BRANCH

December 29, 1952

To: All Market Administrators
From: H. L. Forest, Deputy Director
Subject: Changes in November Deliveries,
Sales and Prices

Attached is a summary of reports from all Federal order markets covering producer deliveries of milk, fluid milk sales, and Class I and Blend prices and butterfat differentials for November 1952. This summary is based upon information submitted by market administrators in accordance with paragraph III A, "Advance Data from Pool Computations," of market administrator instruction No. 15 dated October 30, 1951.

In accordance with paragraph II B of market administrator instructions No. 14, dated October 9, 1951, the receipts and sales data contained herein are for administrative use only.

H. L. Forest

Attachments



Minimum Class I prices under Federal order markets, f.o.b. marketing area unless otherwise indicated, and handler butterfat differentials.

Market	Basic		Prices		Handler differentials	
	b. f.	1952	1952	1951	1952	1951
	test	November	October	November	October	November
	Percent	Dollars per 100 pounds		Cents 1/		
Boston, 201-210 mile zone	3.7	6.09	6.09	6.09	9.3	9.4
Cedar Rapids-Iowa City	3.5	5.202	5.048	4.526	9.9	9.8
Chicago: Grade A 2/, 55-70 mile zone	3.5	5.152	5.181	4.491	8.3	8.8
Cincinnati	3.5	5.602	5.662	5.649	12.41	13.02
Cleveland	3.5 3/	5.772	5.432	5.173	11.36	10.19
Columbus	3.5 3/	5.232	5.292	4.975	10.93	10.87
Dayton-Springfield: Grade A 4/	3.5 3/	5.171	5.236	5.445	9.17	9.67
Detroit	3.5	5.302	5.282	5.325	7.5	10.0
Dubuque	3.5	5.252	5.281	4.519	9.94	9.78
Duluth-Superior	3.5	5.01	5.009	4.757	10.0	10.2
Fall River, 20 mile zone	3.7	6.90	6.90	6.90	9.3	9.4
Fort Smith	4.0	6.744	6.343	-	8.9	9.1
Fort Wayne	4.0	5.002	5.154	5.239	9.0	9.5
Kansas City	3.8	5.799	5.758	5.755	9.23	9.08
Knoxville	4.0	5.357	5.866	5.969	9.2	9.1
Lima	3.5 3/	5.022	5.082	4.823	10.89	10.93
Louisville	3.8	5.811	5.878	5.751	8.6	9.1
Lowell-Lawrence	3.7	6.61	6.61	6.61	9.3	9.4
Memphis	4.0	6.28	6.28	6.28	8.88	8.7
Milwaukee	3.5	5.112	5.141	4.451	8.3	8.8
Minneapolis-St. Paul	3.5	4.972	5.032	4.595	8.81	9.34
Muskogee	4.0	6.344	6.343	5.908	8.88	8.74
Nashville	4.0	6.197	5.926	5.469	9.2	9.1
Neosho Valley	4.0	6.344	6.343	-	8.88	9.07
New Orleans, 61-70 mile zone	4.0 3/	6.780	6.680	6.450	11.65	11.09
New York, 201-210 mile zone 5/	3.5	5.85	5.84	6.00	4.0	4.0
North Texas	4.0	7.304	7.328	6.118	8.9	8.7
Oklahoma City	4.0	6.634	6.673	6.358	8.88	8.74
Omaha-Lincoln-Council Bluffs	3.8 3/	5.53	5.51	5.02	10.76	10.39
Paducah	4.0	5.947	6.007	5.833	8.3	8.8

Continued

Minimum Class I prices under Federal order markets, f.o.b. marketing area unless otherwise indicated, and handler butterfat differentials

Market	Basic	Prices		Handler differentials	
		1952	1951	1952	1951
	b. f.				
	test	November	October	November	October
	Percent	Dollars per 100 pounds		Cents 1/	
Philadelphia	4.0	6.64	6.44	5.0	5.0
Puget Sound	4.0	6.144	5.928	9.8	9.4
Quad Cities	3.5	5.352	4.626	9.9	10.2
Rockford-Freeport	3.5	5.172 6/	4.471	9.3	9.1
St. Louis	3.5	6.131	5.059	8.9	9.1
San Antonio	4.0	7.37	-	8.9	9.1
Sioux City	3.5 3/	4.81	4.62	10.28	10.48
Sioux Falls-Mitchell	3.5 3/	5.03	-	10.77	10.97
South Bend-La Porte	3.5 3/	5.352	4.591	10.69	10.49
Springfield, Massachusetts	3.7	6.61	6.61	9.3	9.8
Springfield, Missouri	3.5	5.921	4.899	8.9	9.1
Toledo	3.5	5.572	5.417	9.0	9.2
Topeka	3.8	5.799	5.655	9.7	9.7
Tri-State: Huntington Plants 7/	3.5	5.852	5.672	9.3	9.5
Tulsa	4.0	6.744	5.908	8.88	9.07
Wichita	3.8	5.919	5.655	8.3	8.5
Worcester	3.7	6.61	6.61	9.3	9.8

1/ For each one-tenth of one percent above or below basic butterfat test.

2/ Grade B price 10 cents less.

3/ This market is on a butterfat and skim milk basis; prices reported here computed for the butterfat test shown.

4/ Non-Grade A prices 25 cents less.

5/ Class I-A prices.

6/ Rockford plants; Freeport plants 4 cents less.

7/ Prices at plants other than Huntington 20 cents less.

Compiled by the Program Analysis and Development Division, Dairy Branch, P.M.A., from reports of the market administrators.

1. The first part of the paper is devoted to a general discussion of the problem.

2. In the second part, we shall consider the case of a single particle.

3. The third part is devoted to the case of a system of particles.

4. In the fourth part, we shall consider the case of a continuous medium.

5. The fifth part is devoted to the case of a system of continuous media.

6. The sixth part is devoted to the case of a system of continuous media.

7. The seventh part is devoted to the case of a system of continuous media.

8. The eighth part is devoted to the case of a system of continuous media.

9. The ninth part is devoted to the case of a system of continuous media.

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19. The nineteenth part is devoted to the case of a system of continuous media.

20. The twentieth part is devoted to the case of a system of continuous media.

21. The twenty-first part is devoted to the case of a system of continuous media.

22. The twenty-second part is devoted to the case of a system of continuous media.

23. The twenty-third part is devoted to the case of a system of continuous media.

24. The twenty-fourth part is devoted to the case of a system of continuous media.

25. The twenty-fifth part is devoted to the case of a system of continuous media.

Minimum uniform or weighted average of handlers' prices under Federal order markets
f.o.b. marketing area unless otherwise indicated, and producer butterfat differentials

Market	Basic		Prices		Producer differentials	
	b.f. test		Nov. 1952 : Oct. 1952		Nov. 1951 : Nov. 1952 : Oct. 1952 : Nov. 1951	
	Percent		Dollars per 100 pounds	Cents 1/		
Boston, 201-210 mile zone	3.7	5.41	5.38	5.62	9.3	9.4
Cedar Rapids-Iowa City	3.5	5.00	4.94	4.52	8.3	8.8
Chicago: Grade A, 55-70 mile zone	3.5	4.84	4.97	4.44	8.3	8.8
Cincinnati: Grade A 2/	3.5	5.52	5.51	5.65	7.0	8.0
Cleveland	3.5	5.33	5.04	5.02	10.6	9.9
Columbus 3/	3.5	5.18	5.22	4.97	9.7	9.8
Dayton-Springfield: Grade A	3.5	5.06	5.09	5.35	8.7	9.1
Non-Grade A	3.5	4.84	4.88	5.12	8.7	9.1
Detroit 4/	3.5	5.03	5.03	5.19	7.5	8.0
Dubuque	3.5	4.95	5.11	4.48	8.31	8.76
Duluth-Superior 3/	3.5	5.27	5.18	5.25	8.9	8.7
Fall River, 20 mile zone	3.7	6.853*	6.848*	6.767*	9.3	9.4
Fort Smith	4.0	6.50	6.16	-	8.3	-
Fort Wayne	4.0	4.78	4.86	5.20	8.0	8.4
Kansas City 3/	3.8	5.58	5.62	5.75	7.3	7.7
Knoxville	4.0	5.76	5.74	5.92	8.3	8.8
Lima	3.5	4.92	4.99	4.73	10.8	10.8
Louisville 3/	3.8	5.65	5.78	5.71	7.5	8.0
Lowell-Lawrence 5/	3.7	6.60	6.52	6.61	9.3	9.4
Memphis	4.0	6.21*	6.21*	6.29*	7.5	8.0
Milwaukee	3.5	4.990*	5.072*	4.440*	8.3	8.8
Minneapolis-St. Paul	3.5	4.707*	4.883*	4.503*	8.5	9.0
Muskogee	4.0	5.99	6.07	5.81	8.3	8.8
Nashville 3/	4.0	5.89	5.68	6.01	8.3	8.8
Neosho Valley	4.0	6.04	6.09	-	8.3	-
New Orleans, 61-70 mile zone	4.0	6.291*	6.312*	6.293*	10.7	10.7
New York, 201-210 mile zone	3.5	5.03	5.00	5.30	6.0	6.0
North Texas	4.0	7.12	7.23	6.07	8.3	8.8
Oklahoma City	4.0	6.35	6.52	6.30	8.3	8.8
Omaha-Lincoln-Council Bluffs	3.8	5.36	5.38	5.01	8.0	9.0
Paducah	4.0	5.97	6.05	5.90	7.5	8.0
Philadelphia	4.0	6.315*	6.239*	6.205*	5.0	5.0
Puget Sound	4.0	5.83	5.90	5.71	9.5	9.2
Quad Cities	3.5	5.12	5.23	4.62	9.6	8.76

Continued

Minimum uniform or weighted average of handlers' prices under Federal order markets
f.o.b. marketing area unless otherwise indicated, and producer butterfat differentials

	Basic				Prices				Producer differentials			
	b.f. test				Nov. 1952				Nov. 1951			
	Percent				Dollars per 100 pounds				Oct. 1952			
												Cents 1/
Rockford-Freeport	3.5	5.01	5.11	4.41	8.3	8.5	8.8					
St. Louis	3.5	6.09*	6.11*	5.06*	8.3	8.5	8.8					
San Antonio	4.0	7.35	7.30	-	7.6	8.5	-					
Sioux City 3/	3.5	4.79	4.83	4.61	8.3	8.5	8.8					
Sioux Falls-Mitchell	3.5	5.00	5.08	-	8.0	9.0	-					
South Bend-La Porte	3.5	5.38	5.03	4.64	8.3	8.5	8.8					
Springfield, Massachusetts 5/	3.7	6.41	6.41	6.54	9.3	9.8	9.4					
Springfield, Missouri	3.5	5.64	5.73	4.87	8.3	8.5	8.8					
Toledo	3.5	5.455*	5.570*	5.327*	8.5	8.5	9.0					
Topeka 3/	3.8	5.72	5.74	5.65	7.3	7.5	7.7					
Tri-State: Huntington	3.5	5.791	5.653	5.748	8.3	8.5	8.8					
Other Plants	3.5	5.593	5.456	5.550	8.3	8.5	8.8					
Tulsa	4.0	6.60	6.66	5.87	8.3	8.5	8.8					
Wichita 4/	3.8	5.622	5.75	5.53	8.3	8.5	8.8					
Worcester 5/	3.7	6.48	6.41	6.54	9.3	9.8	9.4					

* Individual-handler pool. Weighted average of handlers' prices.

1/ For each one-tenth of one percent above or below basic butterfat test. 2/ Grade B price 40 cents less.

3/ Fall production payments:

Not included in uniform price:

	Nov. 1952	Oct. 1952	Nov. 1951
Columbus	\$ 0.55	\$ 0.53	\$ -
Kansas City	.455	.445	.295
Louisville	.59	.57	.49
Nashville	-	-	.626
Sioux City	.18	.18	.18
Topeka	.405	.44	.265
Included in uniform price:			
Duluth-Superior	.534	.485	.607

4/ Weighted average price:

	Nov. 1952	Oct. 1952	Nov. 1951
Detroit	\$ 5.16	\$ 5.17	\$ 4.00
Wichita	5.91	5.91	4.77
Excess Price			
		Oct. 1952	Nov. 1951
		\$ 4.03	\$ -
		5.18	4.81

5/ Farms located in nearby zones.

Compiled by the Program Analysis and Development Division, Dairy Branch, P.M.A., from reports of the market administrators.

Daily producer deliveries of milk under Federal order markets, selected months (1,000 pounds)

Market	Producer deliveries		1951		Percentage change	
	1952	1951	Nov.	Oct.	from previous	1/
	Nov.	Nov.	Nov.	Nov.	Month	Year
Boston	3,412	3,665	3,073*		- 6.9	+ 11.1
Cedar Rapids-Iowa City	261	255	202		+ 2.4	+ 29.6
Chicago	9,018	8,505	7,878		+ 6.0	+ 14.5
Cincinnati	828	887	745		- 6.7	+ 11.2
Cleveland	2,088	2,158	1,534		- 3.2	+ 36.2
Columbus	558	564	489		- 1.0	+ 14.2
Dayton-Springfield	629	664	532		- 5.2	+ 18.3
Detroit	3,822	3,818	3,252		+ 0.1	+ 17.5
Dubuque	83	81	61		+ 2.5	+ 36.8
Duluth-Superior	256	274	212		- 6.4	+ 20.9
Fall River	133	141	132		- 5.5	+ 0.9
Fort Wayne	252	272	199		- 7.5	+ 26.5
Kansas City	837	821	666		+ 2.0	+ 25.7
Knoxville	223	236	205		- 5.6	+ 8.9
Lima	81	79	72		+ 2.8	+ 12.6
Louisville	599	599	555		+ 0.1	+ 8.0
Lovell-Lawrence	353	374	317*		- 5.5	+ 11.2
Memphis	385	388	352		- 0.9	+ 9.2
Milwaukee	1,104	1,067	975*		+ 3.4	+ 13.1
Minneapolis-St. Paul	1,713	1,490	1,415*		+ 14.9	+ 21.0
Muskogee	92	90	78		+ 1.5	+ 17.1
Nashville	402	397	303		+ 1.2	+ 32.5
New Orleans	631	633	532		- 0.3	+ 18.7
North Texas	1,507	1,439	1,214		+ 4.7	+ 24.1
Oklahoma City	377	354	301		+ 6.3	+ 25.1
Paducah	64	70	54		- 8.4	+ 18.5
Philadelphia	2,738	2,887	2,629		- 5.2	+ 4.1
Puget Sound	1,415	1,430	1,374		- 1.0	+ 3.0
Quad Cities	372	363	277		+ 2.6	+ 34.3
Rockford-Freeport	114	113	102		+ 0.2	+ 11.9
St. Louis	1,137	1,114	941		+ 2.0	+ 20.8
Sioux City	135	128	101		+ 5.3	+ 33.2

Continued



Daily producer deliveries of milk under Federal order markets, selected months (1,000 pounds)

Market	Producer deliveries		Percentage change		Continued
	1952	1951	from previous 1/	Month	
	Nov.	Nov.	Month	Year	
South Bend-La Porte	240	192	-	+ 2.6	25.0
Springfield, Mass	453	416	-	+ 6.7	8.8
Springfield, Mo.	315	244	-	+ 7.3	29.0
Toledo	445	373	+	+ 6.8	19.3
Topeka	129	93	+	+ 15.1	38.4
Tri-State	331	272	-	+ 4.5	21.6
Tulsa	320	265	+	+ 2.7	20.8
Wichita	336	250	+	+ 5.6	34.6
Worcester	289	265	-	+ 4.9	9.0
Sub-total	38,479	33,143	+	+ 0.6	16.1
New York	16,415	14,732	-	+ 3.7	11.4
Sub-total	54,894	47,875	-	+ 0.7	14.7
Fort Smith	86	-	-	+ 1.2	-
Neosho Valley, Kan-Mo.	214	-	+	+ 2.3	-
Omaha-Lincoln	-	-	-	-	-
Council Bluffs	537	2/	+	+ 6.1	-
San Antonio	326	-	-	+ 1.5	-
Sioux Falls-Mitchell	113	-	+	+ 7.6	-
TOTAL	56,170	56,528	-	+ 0.6	-

*Revised

1/ Computed from unrounded figures.

2/ Marketing area increased, comparable data not available.

Computed by the Program Analysis and Development Division, Dairy Branch, P.M.A. from reports of the market administrators.

Daily Fluid Sales 1/ of milk under Federal order markets,
in area, selected months (1,000 pounds)

Market	Fluid Milk Sales		1951		Percentage change	
	1952	1951	Nov.	Oct.	from previous 2/	Year
Boston	1,942	1,921*	118	134	3.8	1.1
Cedar Rapids-Iowa City	5,216	5,263	687	741	6.2	6.9
Chicago	1,610	1,423	457	490	2.9	0.9
Cincinnati	473	492	54	174*	4.8	2.6
Cleveland	490	509	121*	128	1.6	13.1
Columbus	3,018	3,031	145	145	4.0	3.4
Dayton-Springfield	59	66	2,905	2,905	3.7	0.1
Detroit	174	177	174*	177	0.4	3.9
Dubuque	124	128	121*	128	10.5	8.2
Duluth-Superior	131	134	145	145	2.1	0.5
Fall River	638	624*	238	238	3.0	2.5
Fort Wayne	232	239	87	92*	2.2	9.6
Kansas City	91	92*	528	528	2.3	4.0
Knoxville	525	537	259*	270	3.1	2.8
Lima	268	270	391	900	0.2	4.5
Louisville	374	393	900	1,169*	2.2	0.6
Lovell-Lawrence	927	962	43	43	0.8	3.5
Memphis	1,218	1,218	321*	321*	4.8	4.2
Milwaukee	41	42	481	1,140*	3.6	3.0
Minneapolis-St. Paul	367	373	324	324	0	4.2
Muskogee	498	520	52	52	4.2	5.9
Nashville	1,142	1,246	324	324	1.6	14.3
New Orleans	344	357	77	77	4.3	3.4
North Texas	71	77	52	52	8.4	0.2
Oklahoma City	2,040	2,116	2,052	2,052	3.6	6.1
Paducah	1,048	1,092*	1,100*	1,100*	7.9	35.8
Philadelphia	305	317	289*	289*	4.0	0.6
Puget Sound	90	98	89	89	4.0	4.7
Quad Cities	1,017	1,047	933*	933*	7.9	5.3
Rockford-Freeport	81	82	80*	80*	2.9	1.7
St. Louis	243	245	226	226	2.0	8.9
Sioux City	243	245	226	226	0.8	0.4
South Bend-La Porte	243	245	226	226	0.8	7.3

Continued

Daily Fluid Sales 1/ of milk under Federal order markets,
in area, selected months (1,000 pounds)

Market	Fluid Milk Sales		1951 Nov.	Percentage change		Continued
	1952 Nov.	1952 Oct.		from previous Month	2/ Year	
Springfield, Mass.	387	401	380*	3.5	+	1.8
Springfield, Mo.	78	80	70	2.5	+	12.6
Toledo	457	469	432	2.6	+	5.8
Topeka	96	98	83	1.7	+	16.0
Tri-State	343	354	340	3.2	+	0.9
Tulsa	237	247	226	4.1	+	5.1
Wichita	206	212	187	3.0	+	9.7
Worcester	274	280	268	2.4	+	2.1
Sub-total	27,704	28,526	27,065	2.9	+	2.4
New York	8,708	8,766	8,523	0.7	+	2.2
Sub-total	36,413	37,291	35,588	2.4	+	2.3
Fort Smith	61	62	-	1.6	-	-
Neosho Valley, Kan. Mo.	189	193	-	2.2	-	-
Omaha-Lincoln	-	-	-	-	-	-
Council Bluffs	392	423	3/	-	-	-
San Antonio	414	421	-	-	-	-
Sioux Falls-Mitchell	57	60	-	-	-	-
TOTAL	37,526	38,450	-	-	-	-

*Revised

1/ Includes fluid milk drinks.

2/ Computed from unrounded figures.

3/ Marketing area increased, comparable data not available.

Computed by the Program Analysis and Development Division, Dairy Branch, P.M.A.
from reports of the market administrators.

